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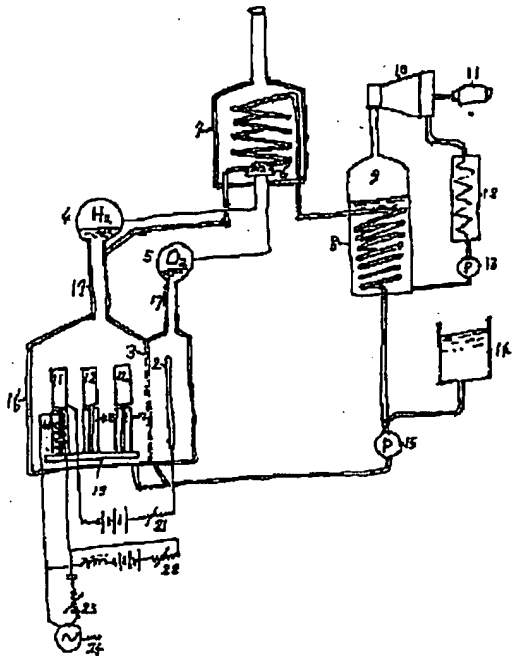
TITLE : ELECTRODE UNIT FOR NORMAL TEMPERATURE NUCLEAR FUSION



ABSTRACT : PURPOSE: To increase the generation probability of a normal temperature nuclear fusion reaction through the use of a spongy electrode and a high oscillation type electrode unit.

CONSTITUTION: When heavy water is filled in a tank 16 and subjected to electrolysis, the heavy water intrudes into microgaps of spongy oscillation electrodes 11, 12... oscillating at a high speed. Consequently, the nucleus of heavy hydrogen atom collides against that of palladium composing the electrode to cause nuclear fusion reaction thus heating the electrode and the heavy water thereabout. The heavy water ascends and passes through a gas/water separator 17, heated by a hot water heater 7, subjected to heat-exchange through a boiler 8, pressurized at a stream reservoir 9, and rotates a turbine 10 to generate power from a generator 11. Hydrogen gas generated through electrolysis is collected in a hydrogen gas tank 4 and oxygen gas generated from the electrode 2 is collected in an oxygen gas tank 5. The hydrogen and oxygen gases are burnt at an oxygen/hydrogen burner 6 as a preliminary heat source for heating the heavy water. The electrolysis is regulated by a regulator 21 and generation of thermal energy is regulated freely by a magnetostrictive vibration regulator 23.

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